

APRIL/MAY 2024

**23PEMB23B — CLINICAL DIAGNOSTIC
MICROBIOLOGY**

Time : Three hours

Maximum : 75 marks



SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.

1. Tell about anaerobic organisms.
2. What is Incineration?
3. Find out the nature of laboratory specimens.
4. Illustrate the swab method,
5. List out the transport medium
6. Identify the streptococcal infection.
7. Elaborate HCAI.
8. Definition of minimum inhibitory concentration.
9. Short explain about Tetracyclin.
10. How to control the nosocomial infections?

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) List out the microbiology laboratory safety practices.

Or

- (b) Organize the emerging and re-emerging infections.

12. (a) Discuss about the specimen acceptance and rejection criteria.

Or

- (b) Analysis of processing of specimens in microbiology laboratory.

13. (a) Show about the automation in microbial diagnosis.

Or

- (b) Evaluate the procedure of ECG.

14. (a) Distinguish about the quality control for antibiotics.

Or

- (b) Interpret the Kirby-Bauer method.

15. (a) Compose the hospital infection control committee and their functions.

Or

- (b) Categorize the mode of transmission of nosocomial infections.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe on of handling of biological hazards.

17. Compile the collection, transport and storage of clinical specimens.

18. Determine the microbiological diagnosis of diseases.

19. How are antibiotic sensitivity tests followed in clinical laboratory?

20. Discuss detail about of nasocomial infections.